

# 11.1/11.2 Review

Grade: 10th  
Subject: Biology  
Date: 2/26

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alleles for height  $\left\{ \begin{array}{l} T = \text{tall (greater than 15 cm)} \\ t = \text{short (less than 15 cm)} \end{array} \right.$

alleles for stem color  $\left\{ \begin{array}{l} G = \text{Purple} \\ g = \text{green} \end{array} \right.$

★ Example of a possible genotype:  
 $TTgg$   
(tall, green stem)

★ Figure out the offspring's possible genotypes based on observed phenotype, then make a hypothesis about what parental genotypes were for the observed offspring

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- 1 An individual who is heterozygous for a recessive disorder is a carrier.

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- 2 The recessive genetic disorder that affects mucus-producing glands, digestive enzymes, and sweat glands is Tay-Sachs disease.

True

False

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- 3 \_\_\_\_\_ is the recessive disorder where an affected person has white hair, very pale skin, and pink pupils.

albinism

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- 4 A \_\_\_\_\_ is a diagram that traces the inheritance of a particular trait through several generations.

pedigree

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5 Dominant allele genetic disorders include Huntington's disease and Galactosemia.

True

False

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6 Codominance is where the heterozygous phenotype is an intermediate phenotype between the two homozygous phenotypes.

True

False

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7 The effect where one allele is hides the effects of another allele is called \_\_\_\_\_.

Epistasis

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8 Traits controlled by genes located on the X chromosome are called sex-linked traits.

True

False

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9 Color blindness is an example of a polygenic trait.

True

False

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10 There are 23 pairs of chromosomes in the human body, one pair are the sex chromosomes, the rest are called

\_\_\_\_\_.

autosomes

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# 11.3 Review

Grade: 10th  
Subject: Biology  
Date: 2/28/13

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- 1 The protective caps on the ends of chromosomes are called \_\_\_\_\_.

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2 A \_\_\_\_\_ shows homologous chromosomes arranged from largest size to smallest size in a micrograph

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3 The process in which sister chromatids fail to separate properly is called codominance.

True

False

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4 Another name for down syndrome is ...

- A Klinefelters syndrome
- B amniocentesis
- C fetal blood sampling
- D trisomy 21

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5 Having one particular type of chromosome is called

\_\_\_\_\_.

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